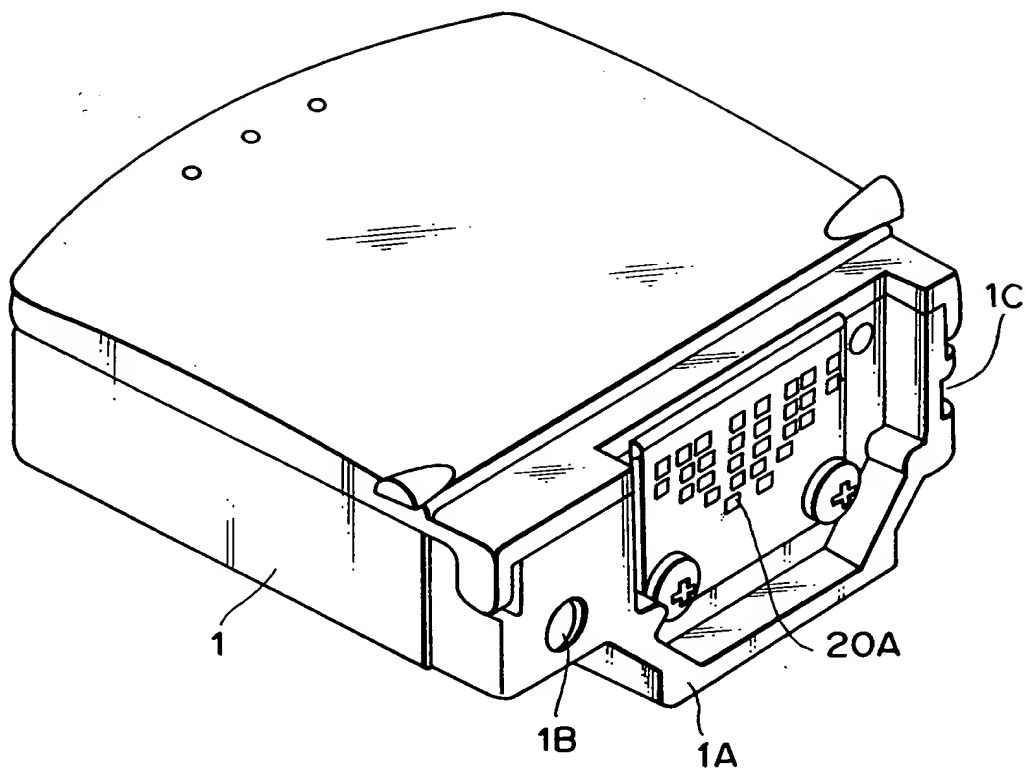


FIG. 1



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FIG. 2

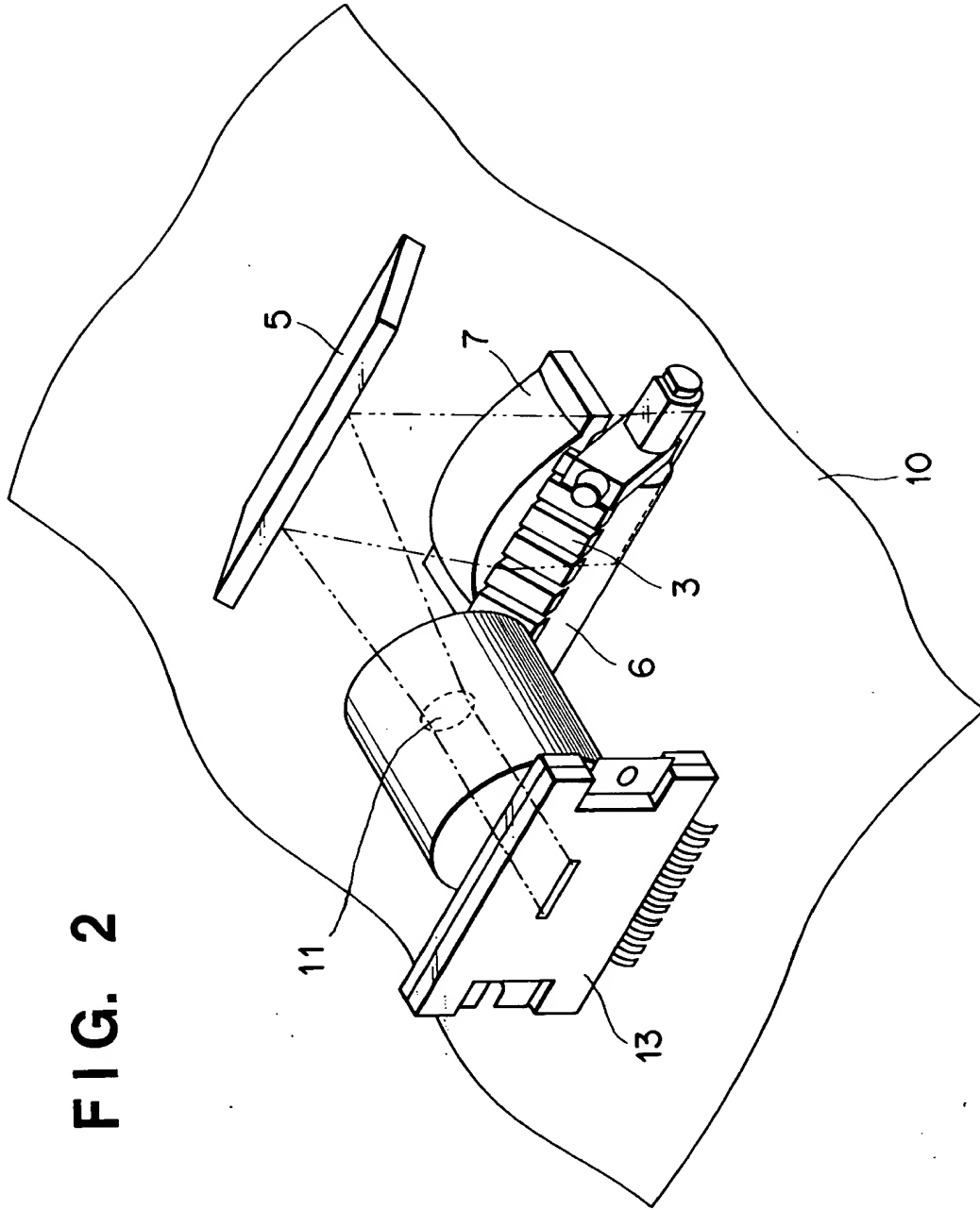


FIG. 3

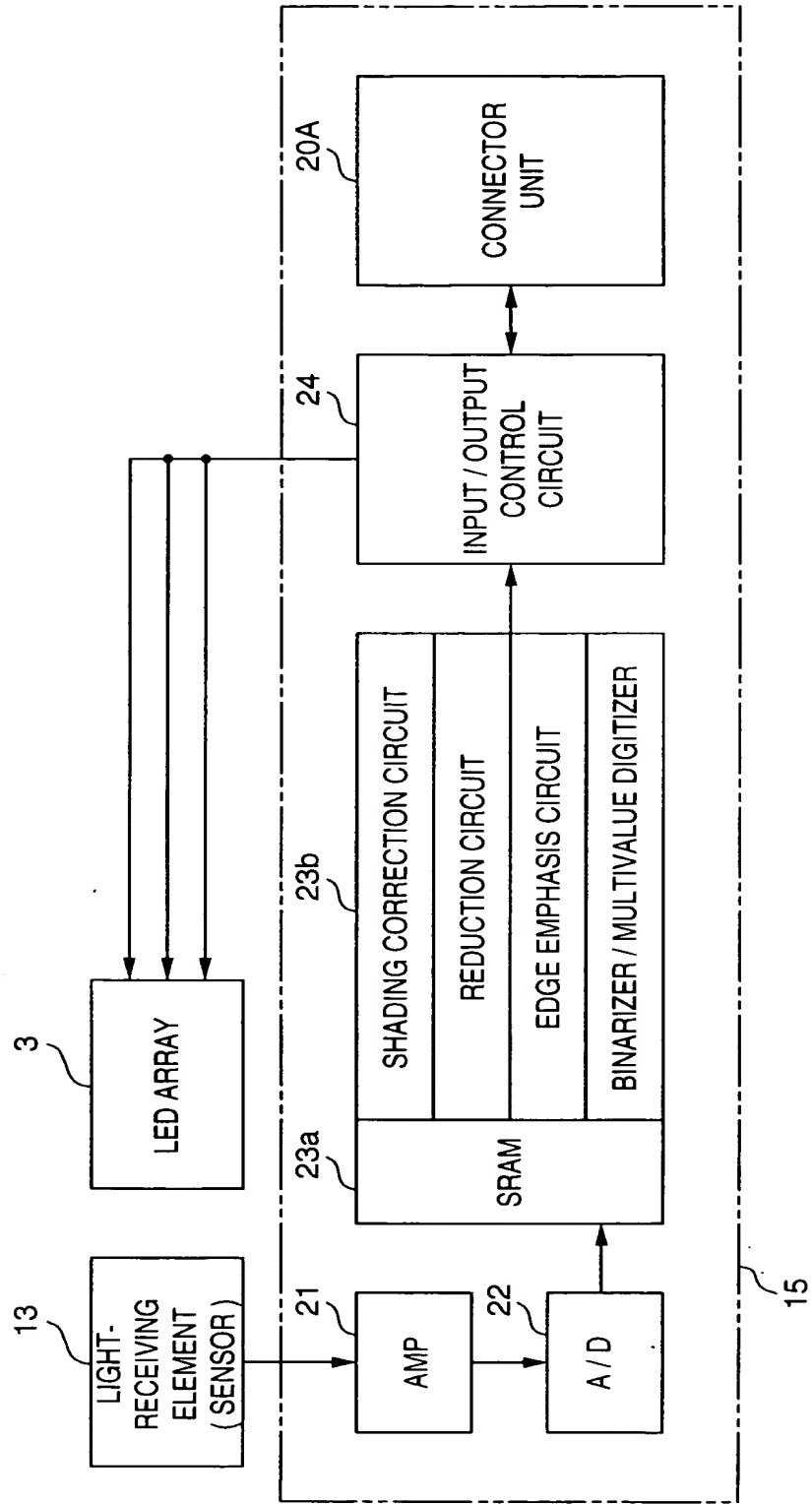
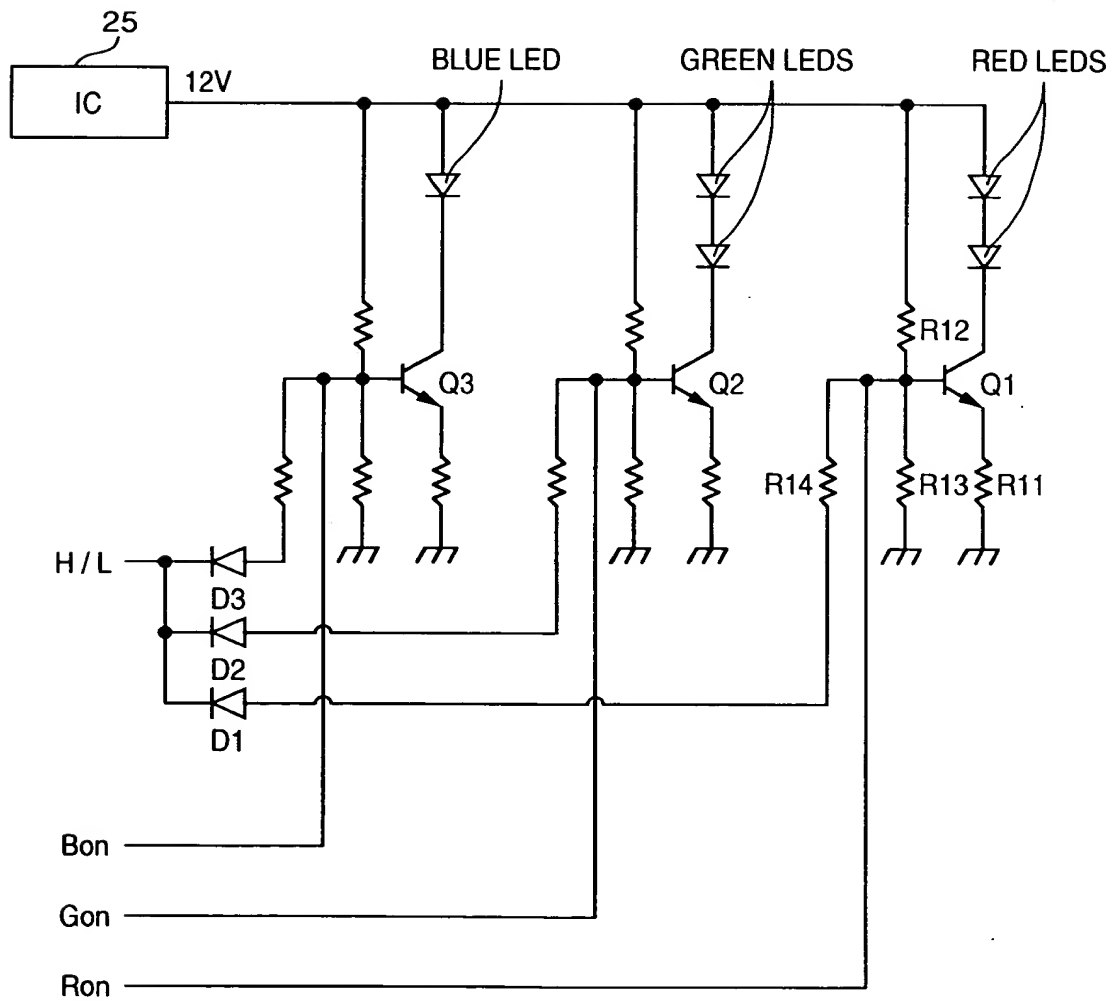
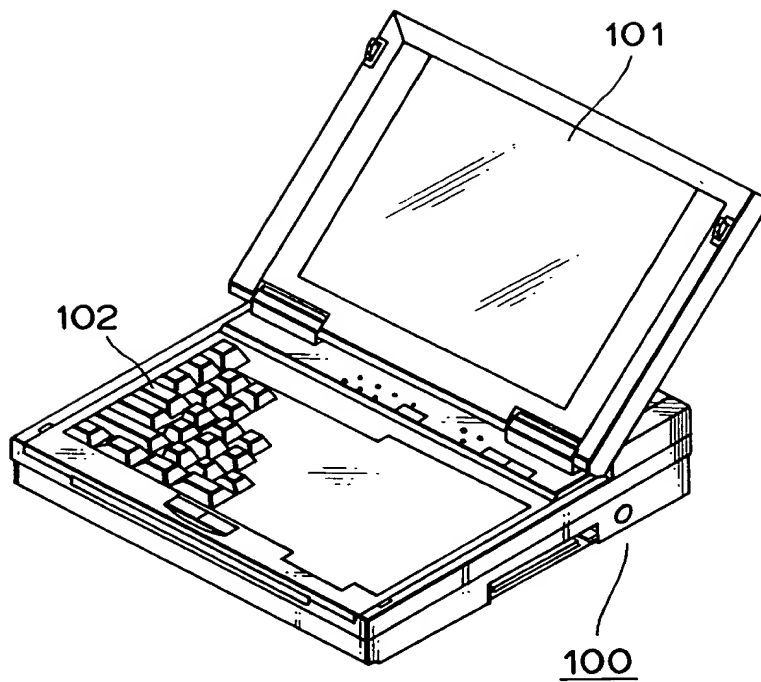


FIG. 4

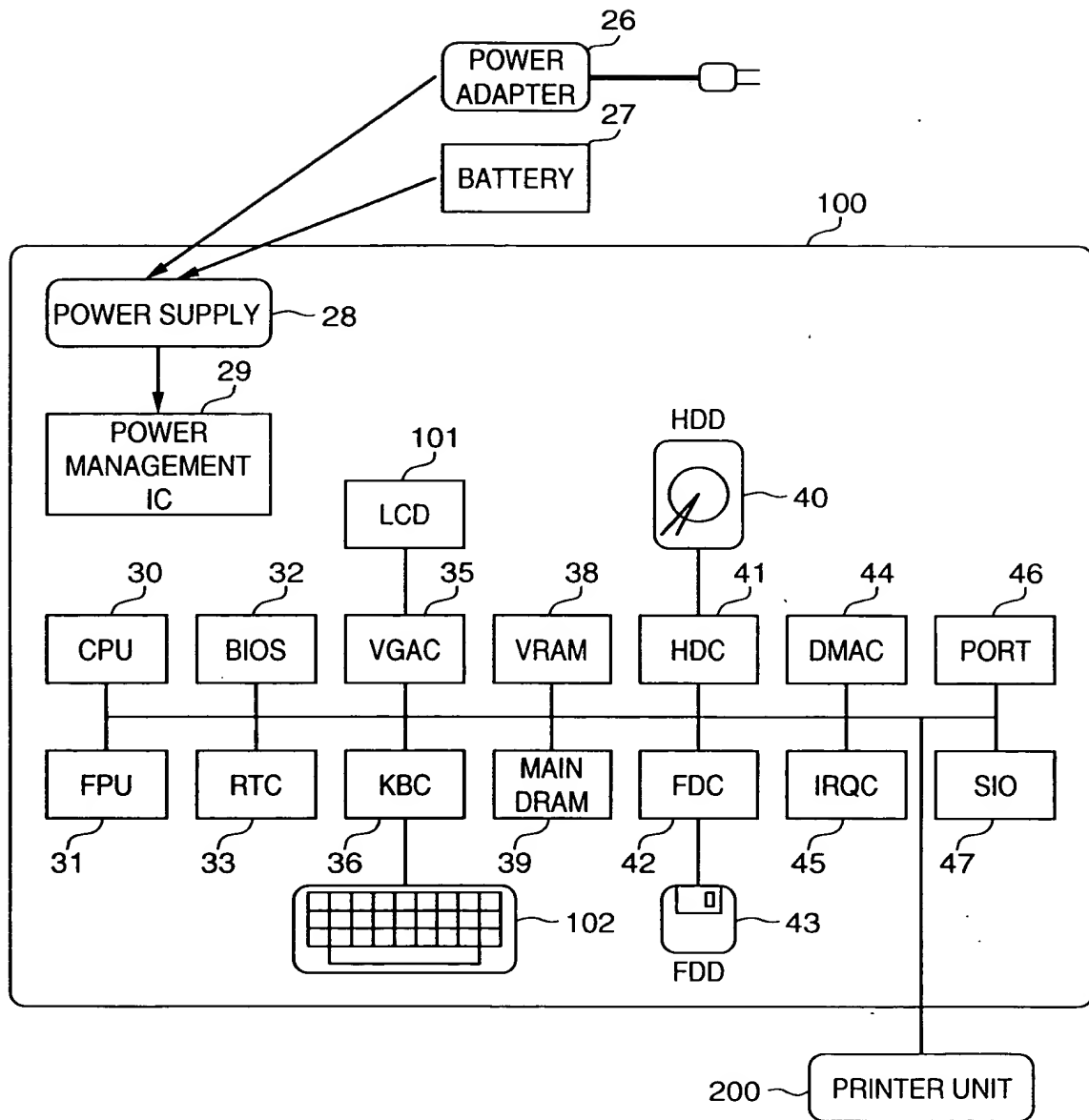


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**FIG. 5**

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FIG. 6



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FIG. 7

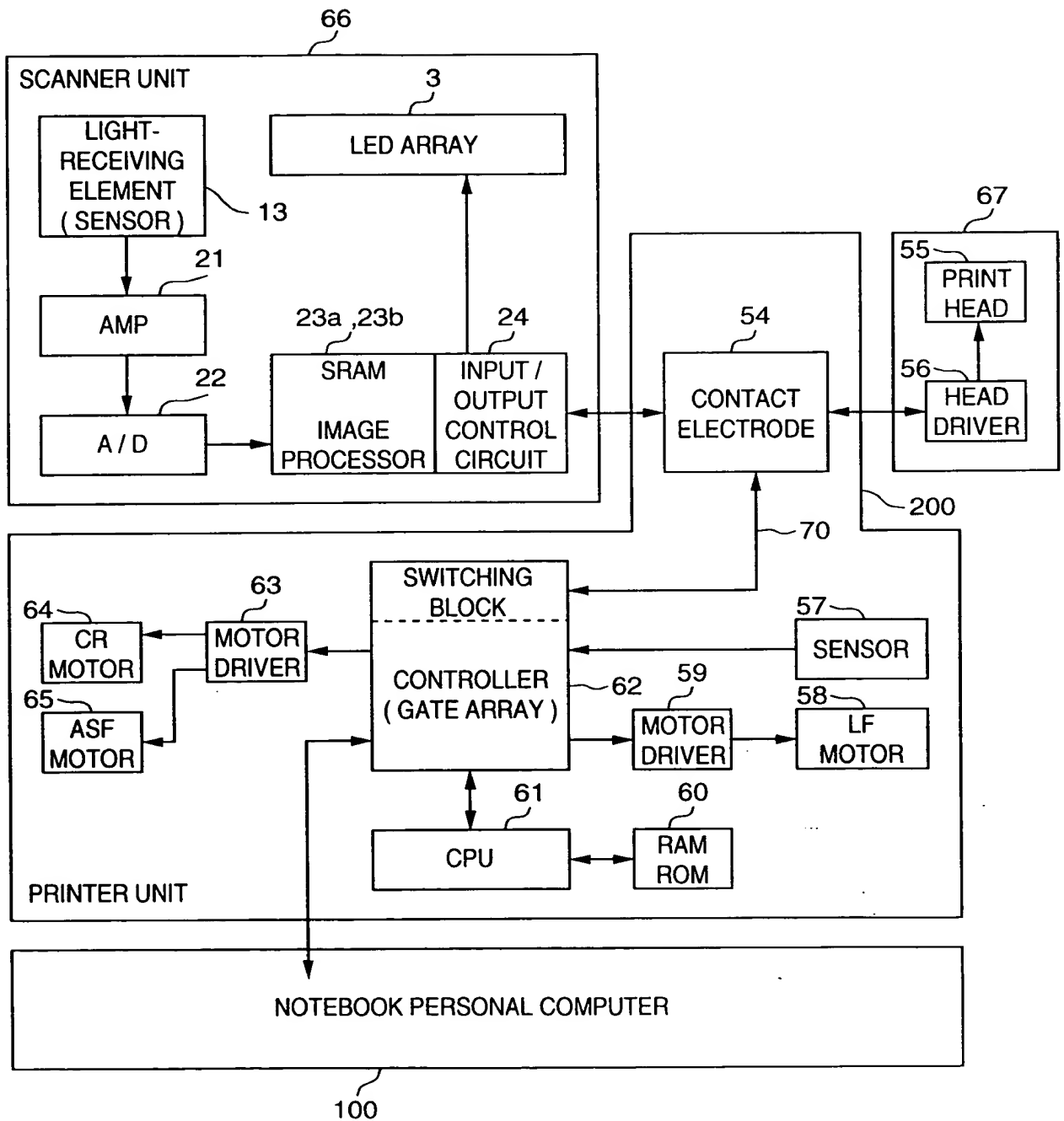
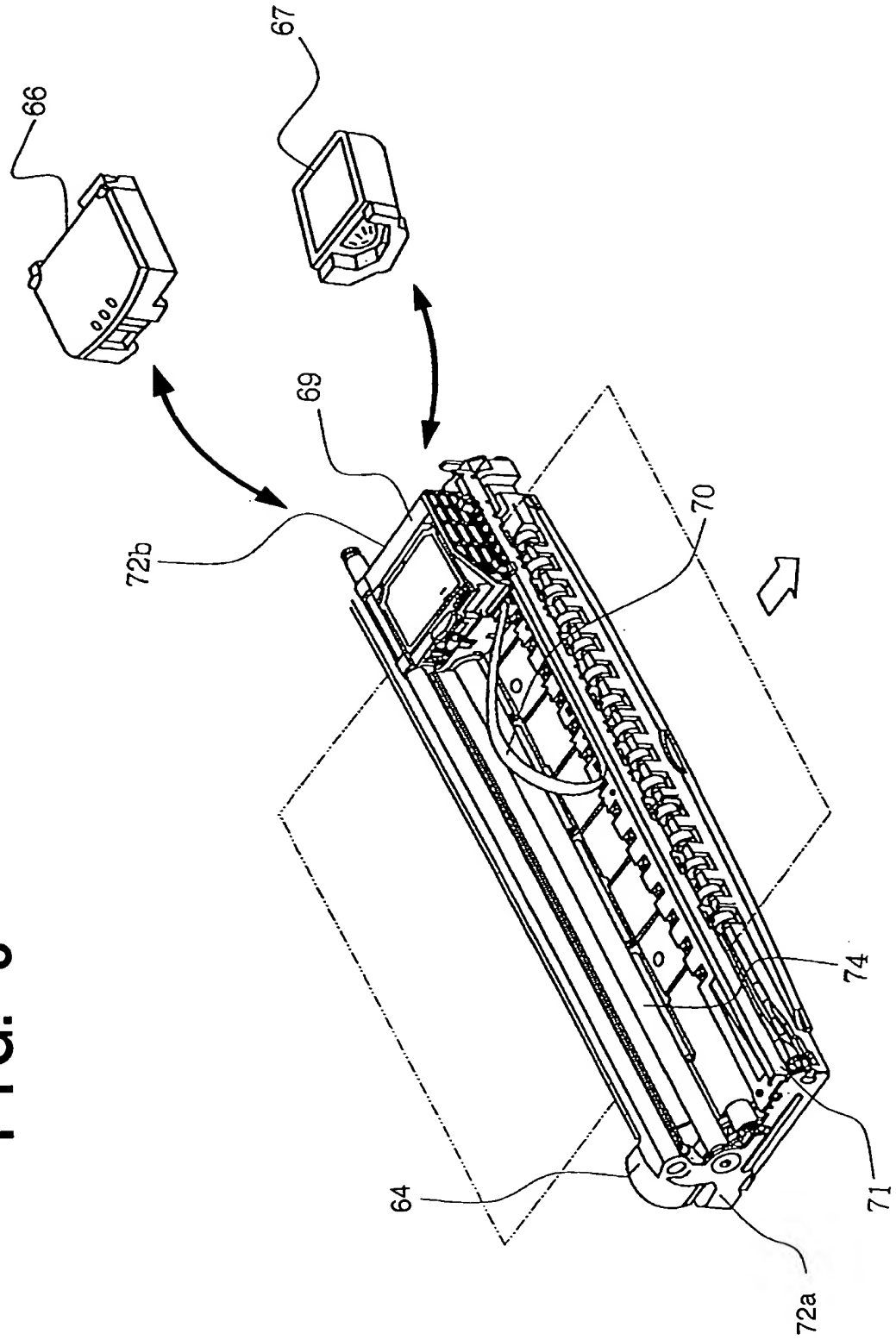
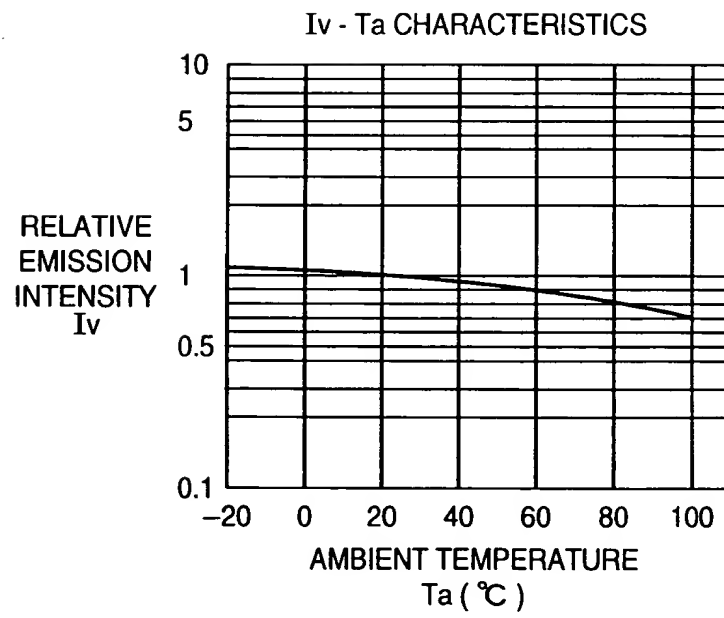


FIG. 8



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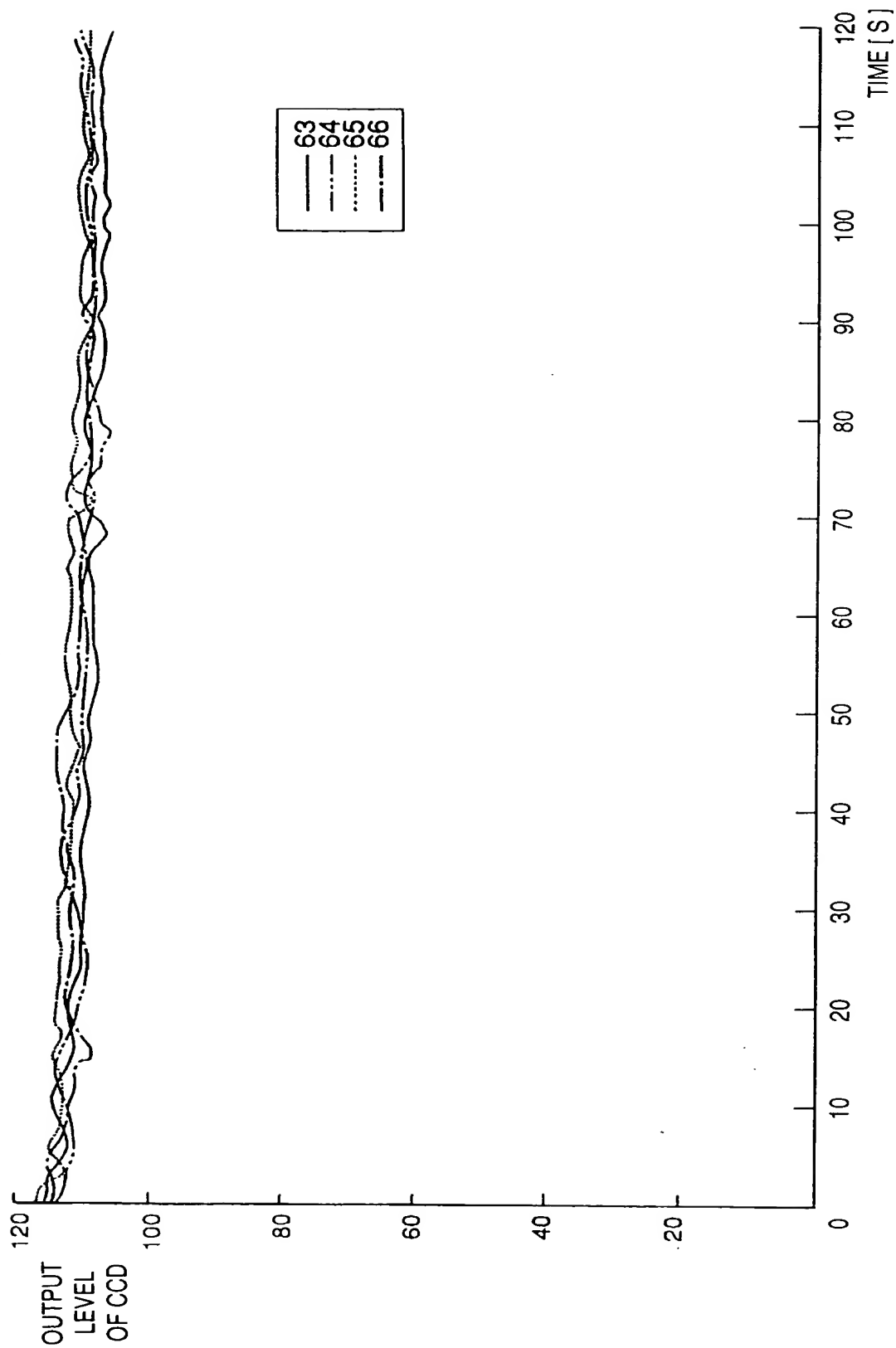


**FIG. 9**

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—	63
—	64
—	65
—	66

FIG. 10



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**FIG. 12A**

COLOR MODE

RESOLUTION	ACCUMU- LATION TIME	FORWARD msec	BACKWARD msec	ONE-LINE TIME msec	DOT WIDTH	NUMBER OF TIMES	A4 TIME msec
360 × 360 dpi ØTR = 0 COLOR	256µsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	341906.4
							5'42"
180 × 180 dpi ØTR = 0 COLOR	320µsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	215978.4
							3'36"
90 × 90 dpi ØTR = 0 COLOR	307µsec	6.51K	6.51K		64		
		523.6	523.6	1047.2		66	207345.6
							3'27"
200 × 360 dpi ØTR = 0 COLOR	288µsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	215978.4
							3'36"
300 × 360 dpi ØTR = 0 COLOR	307µsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	341906.4
							5'42"

PAPER FEED TIME : 5 SEC

DELIVERY TIME : 1 SEC

SCAN AREA

HORIZONTAL : 203mm ( 8 inch )

VERTICAL : 297mm ( 11.7 inch )

**FIG. 12B**

MONOCHROME MULTIVALUE MODE

RESOLUTION	ACCUMU- LATION TIME	FORWARD msec	BACKWARD msec	ONE-LINE TIME msec	DOT WIDTH	NUMBER OF TIMES	A4 TIME msec
360 × 360 dpi ØTR = 0 MONO	256µsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	113968.8
							1'54"
180 × 180 dpi ØTR = 0 MONO	320µsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	71992.8
							1'12"
90 × 90 dpi ØTR = 0 MONO	307µsec	6.51K	6.51K		64		
		523.6	523.6	1047.2		66	69115.2
							1'09"
200 × 360 dpi ØTR = 0 MONO	288µsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	71992.8
							1'12"
300 × 360 dpi ØTR = 0 MONO	307µsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	113968.8
							1'54"

PAPER FEED TIME : 5 SEC

DELIVERY TIME : 1 SEC

SCAN AREA

HORIZONTAL : 203mm ( 8 inch )

VERTICAL : 297mm ( 11.7 inch )

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**FIG. 12C**

MONOCHROME BINARY MODE

RESOLUTION	ACCUMU- LATION TIME	FORWARD msec	BACKWARD msec	ONE-LINE TIME msec	DOT WIDTH	NUMBER OF TIMES	A4 TIME msec
360 × 360 dpi ØTR = 0 MONO	256µsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	113968.8
							1'54"
180 × 180 dpi ØTR = 0 MONO	320µsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	71992.8
							1'12"
90 × 90 dpi ØTR = 0 MONO	307µsec	6.51K	6.51K		64		
		523.6	523.6	1047.2		66	69115.2
							1'09"
200 × 360 dpi ØTR = 0 MONO	288µsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	71992.8
							1'12"
300 × 360 dpi ØTR = 0 MONO	307µsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	113968.8
							1'54"

PAPER FEED TIME : 5 SEC  
 DELIVERY TIME : 1 SEC

SCAN AREA  
 HORIZONTAL : 203mm ( 8 inch )  
 VERTICAL : 297mm ( 11.7 inch )

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FIG. 13

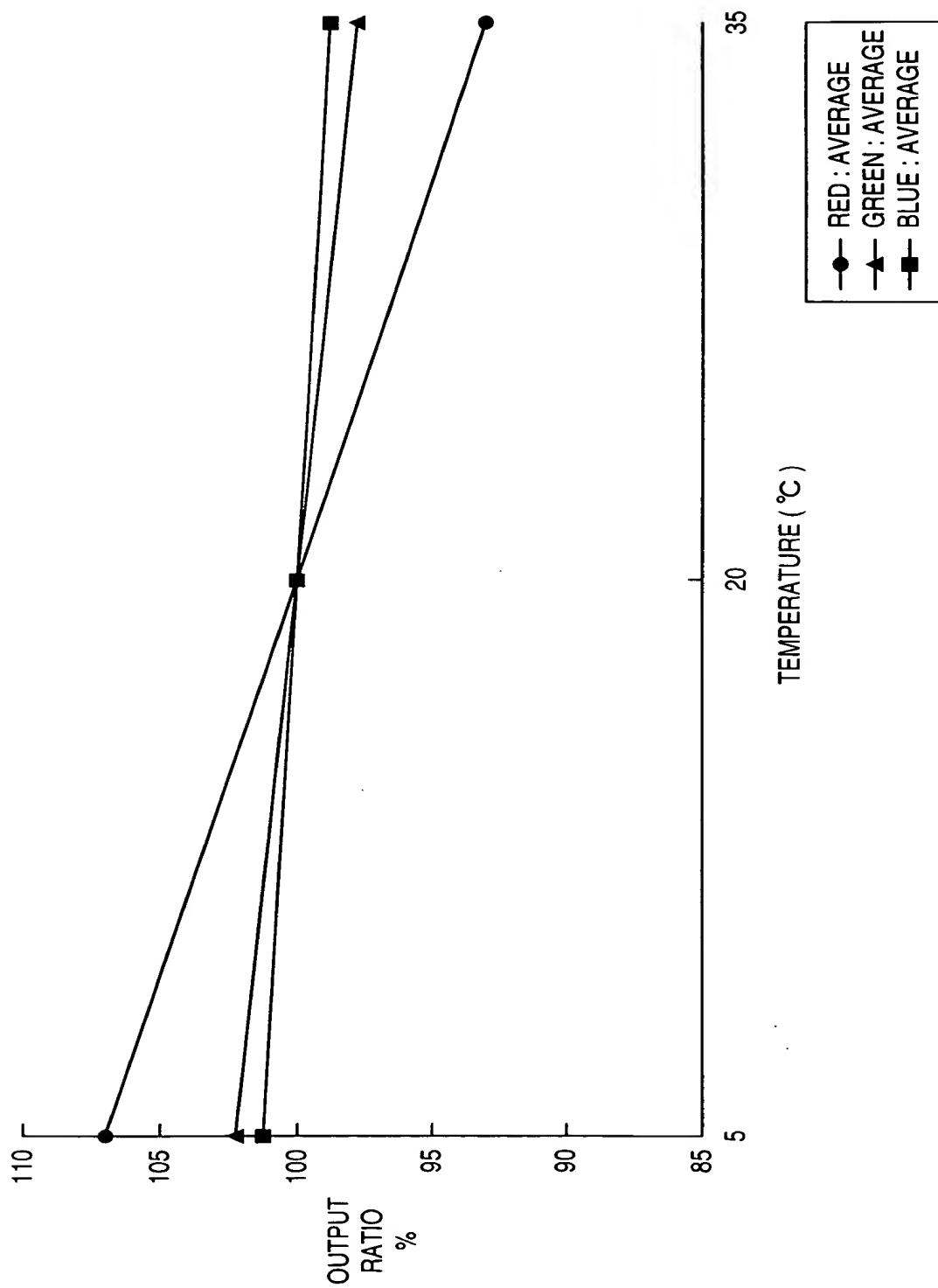
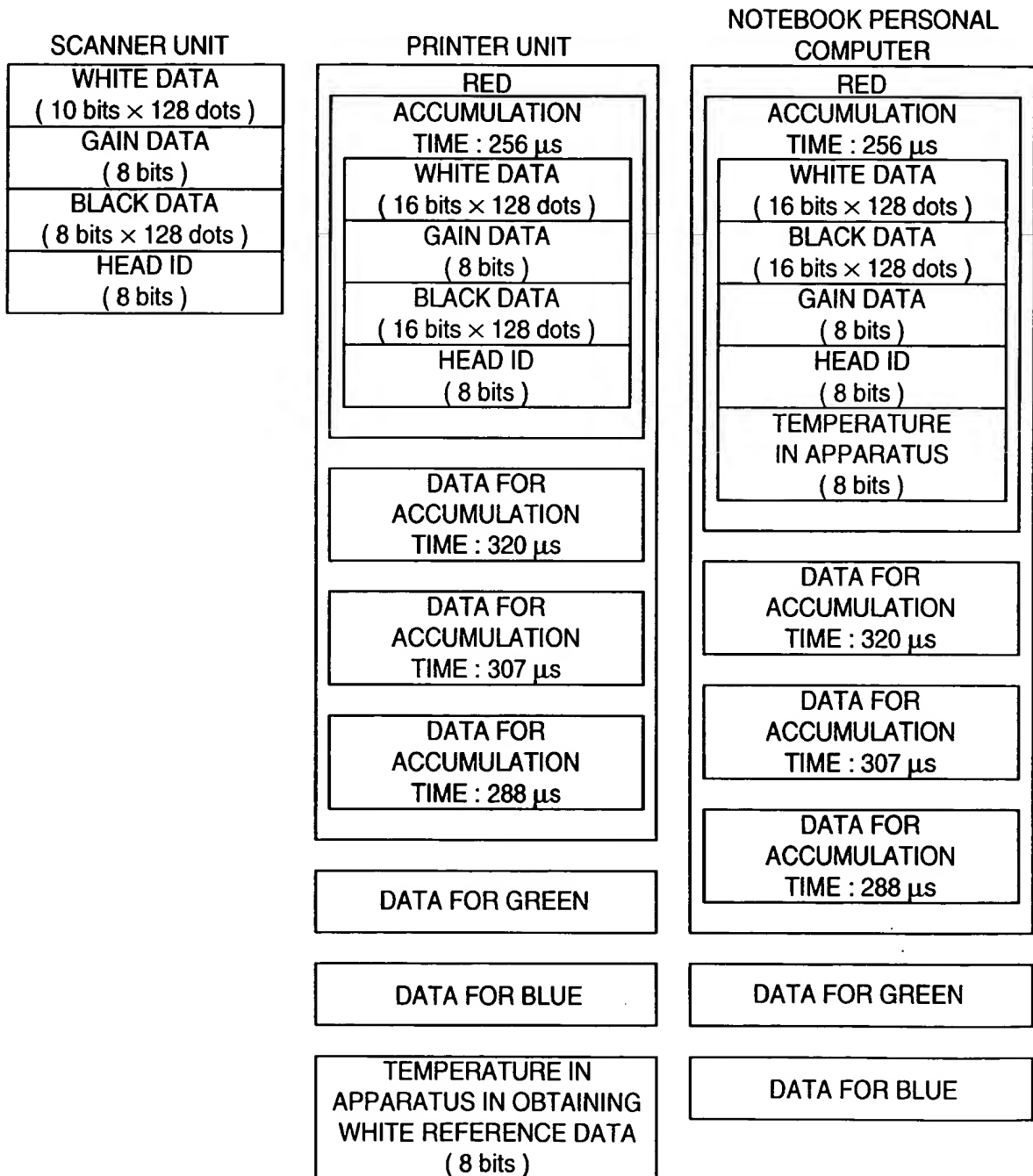


FIG. 14



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FIG. 15

ATMOSPHERE : ROOM TEMPERATURE ( 25°C )

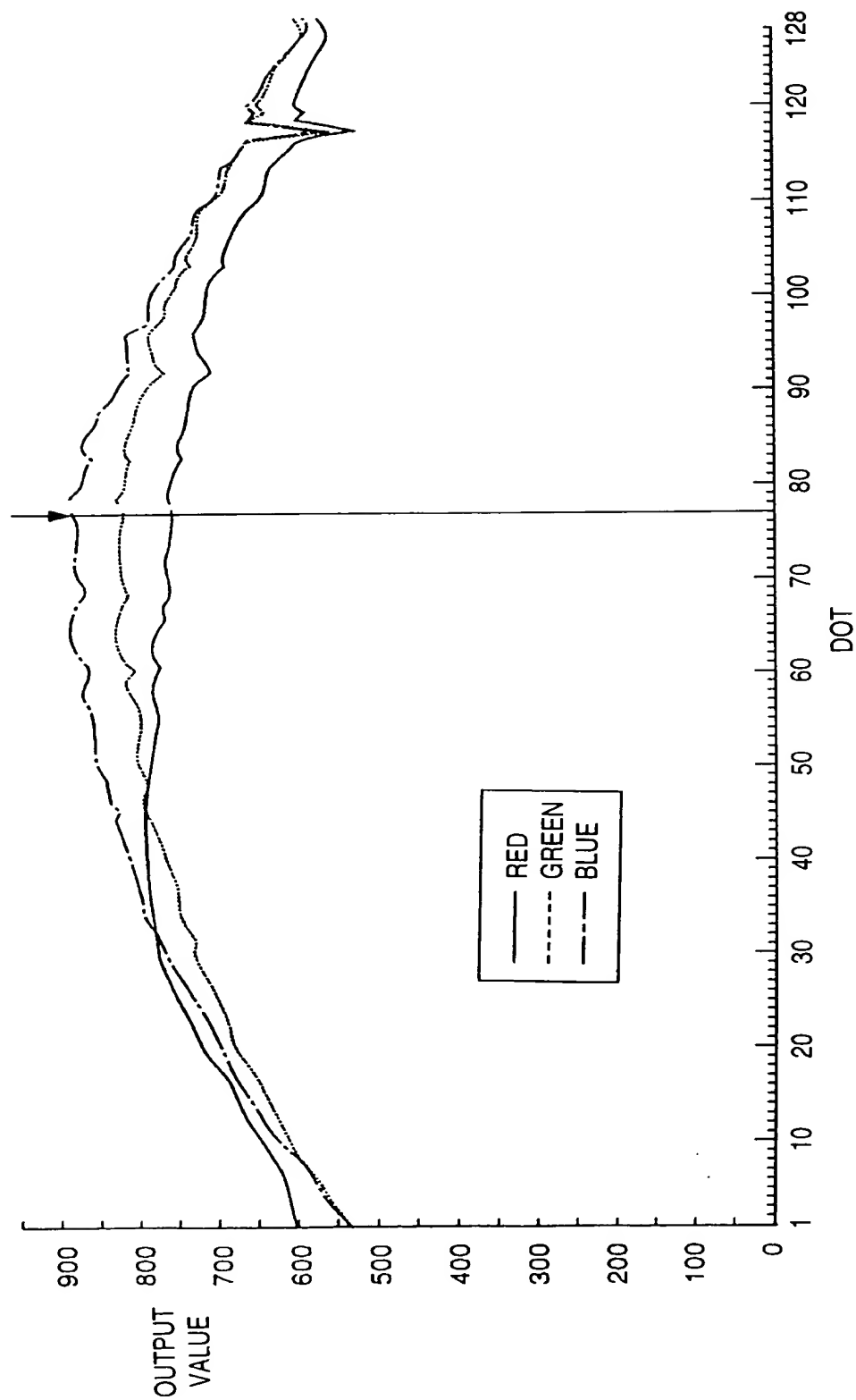
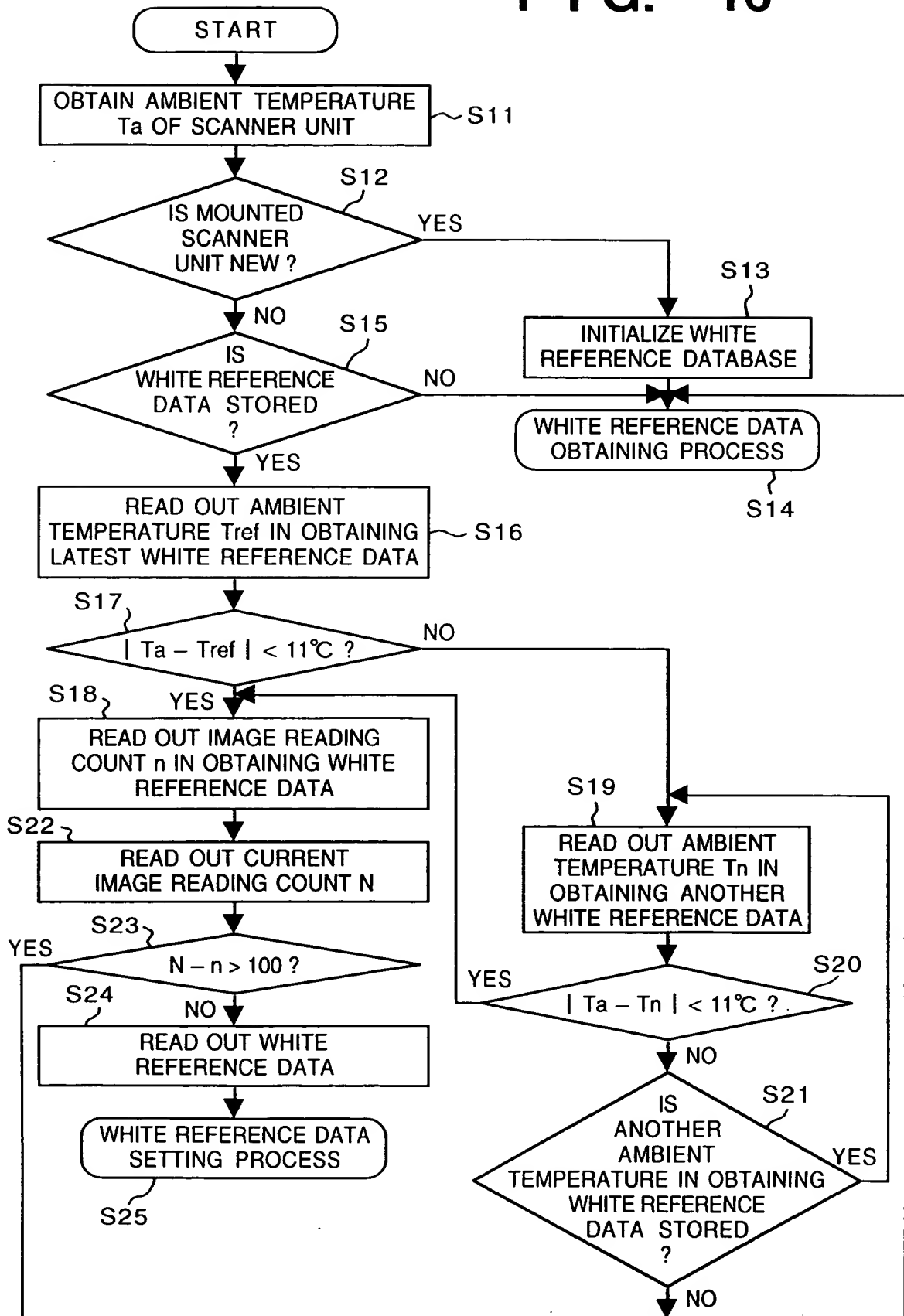
LNST : 256  $\mu$  SEC

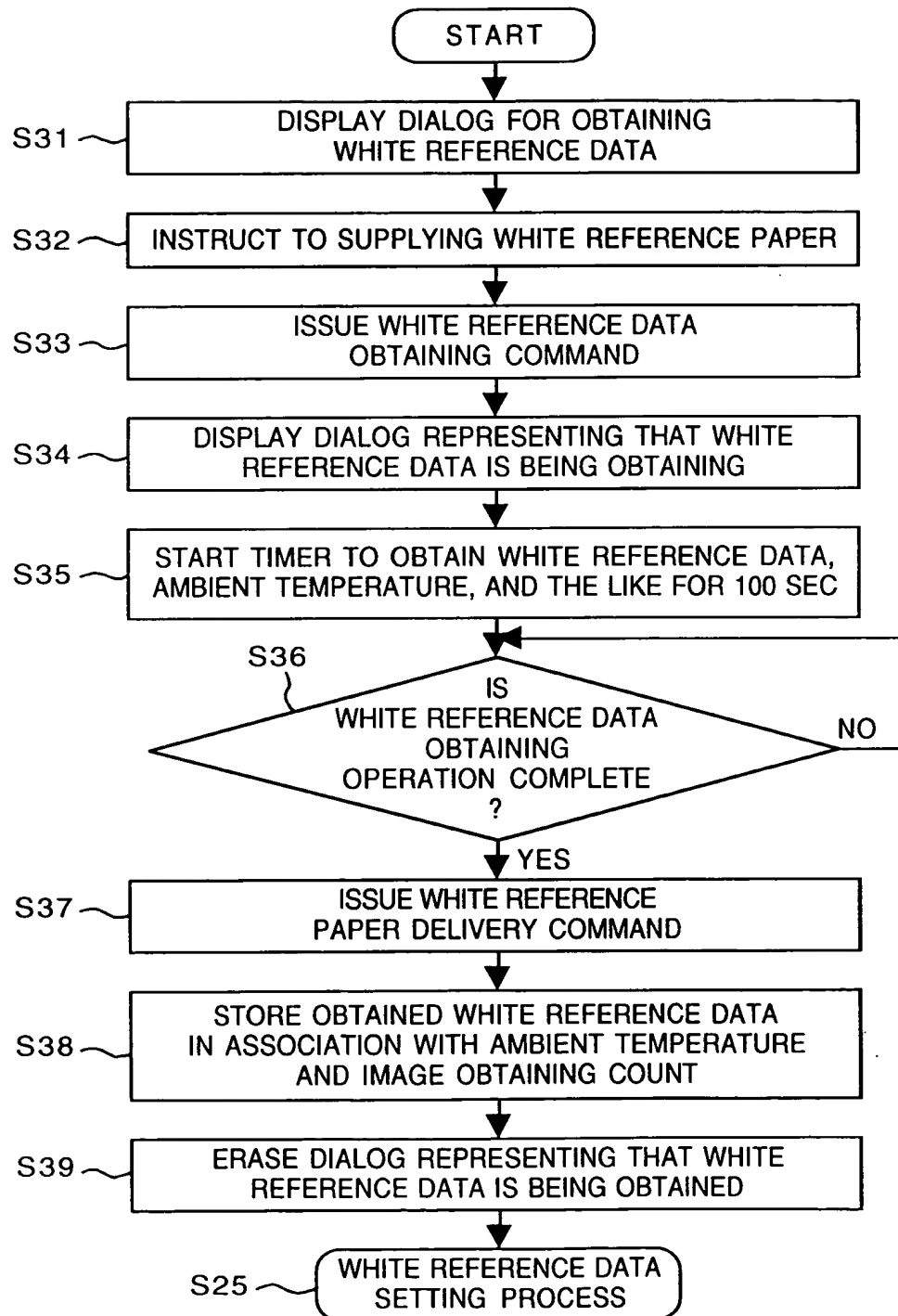


FIG. 16

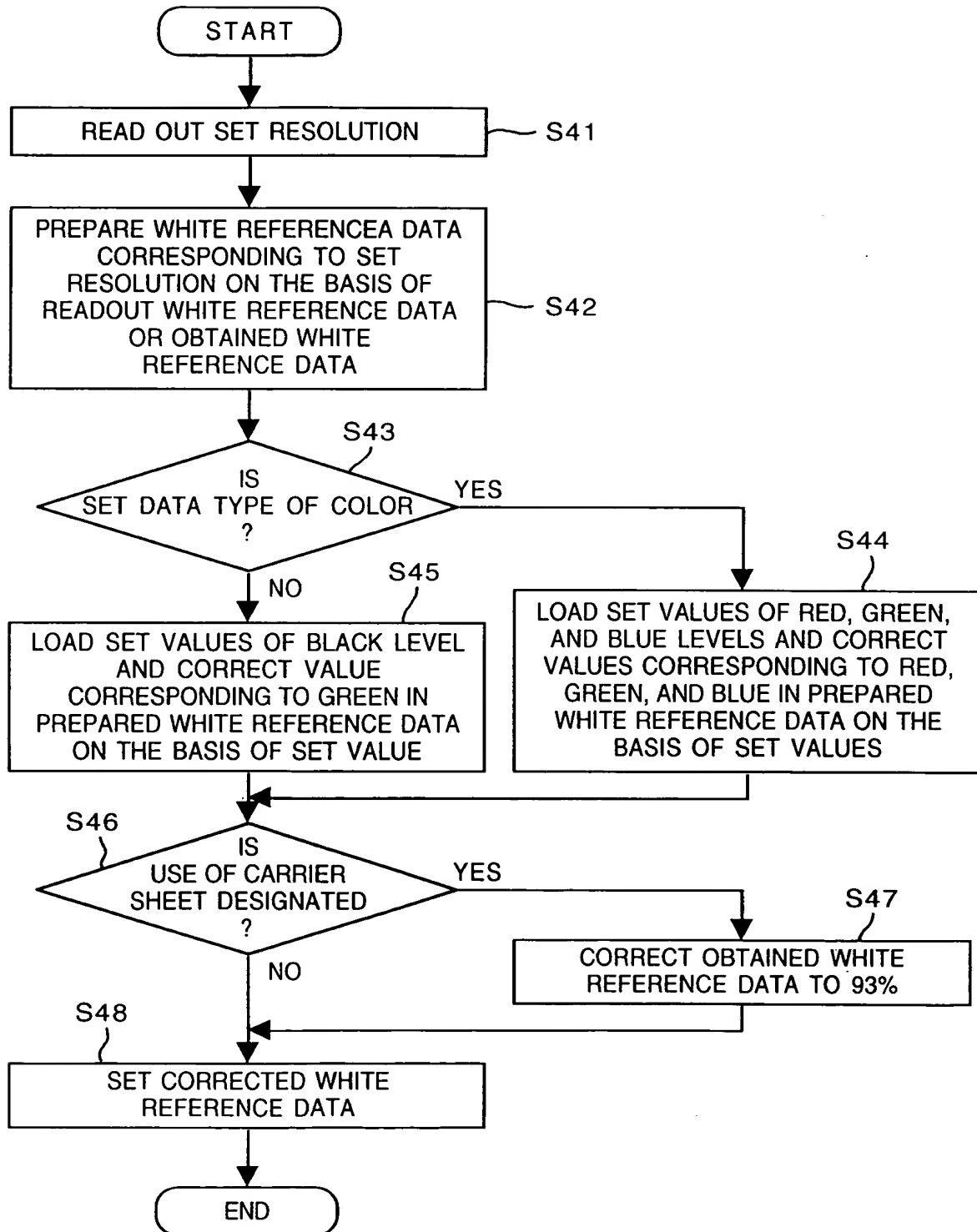


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FIG. 17



## FIG. 18



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FIG. 19

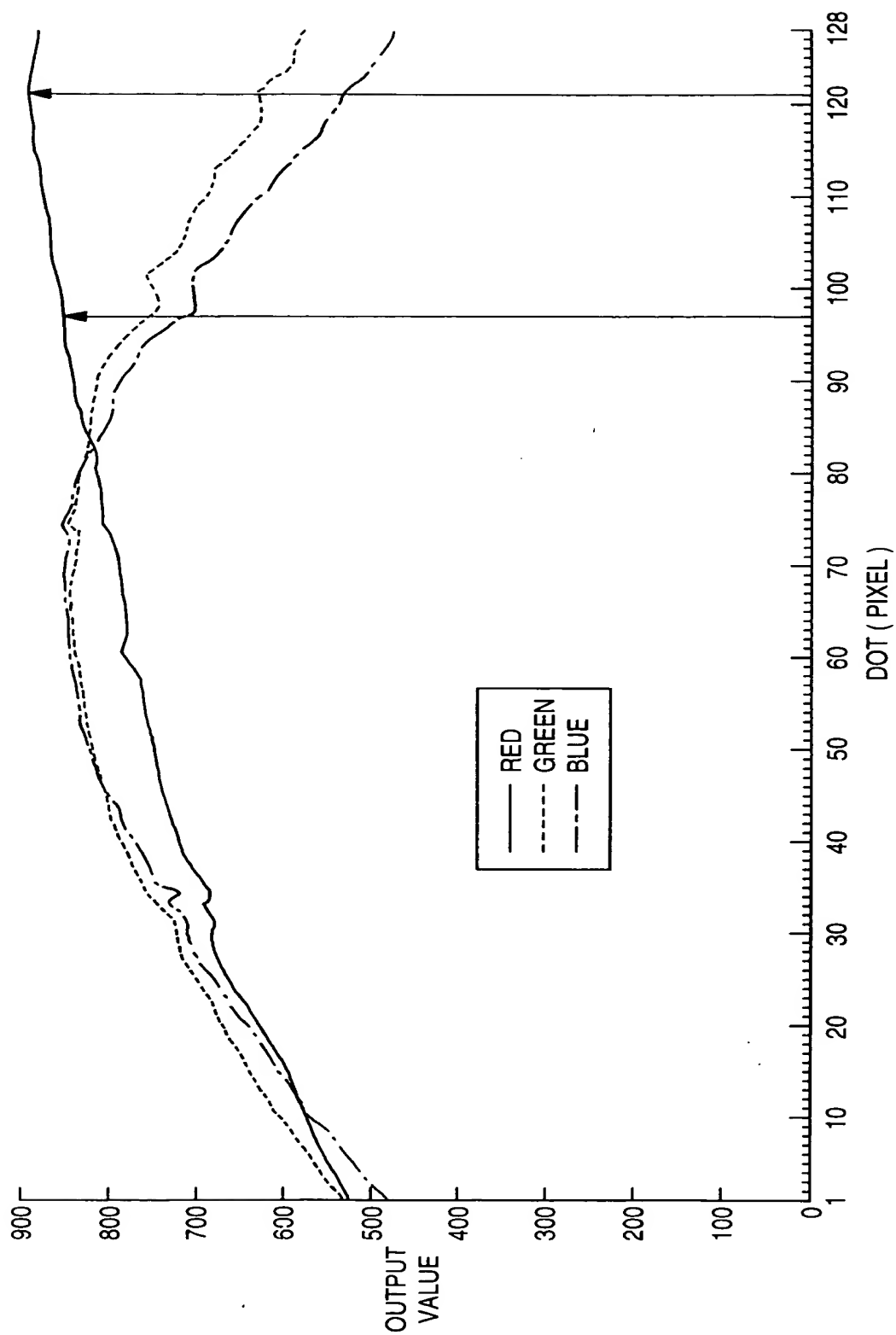
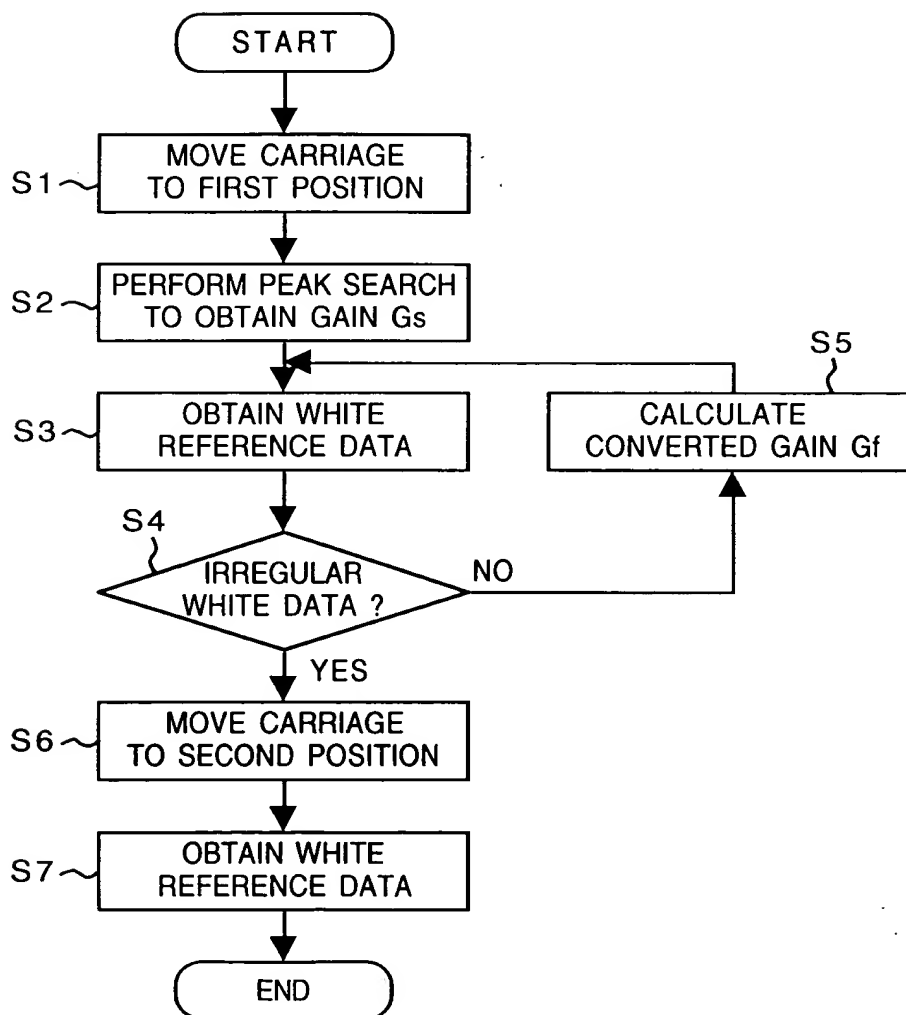
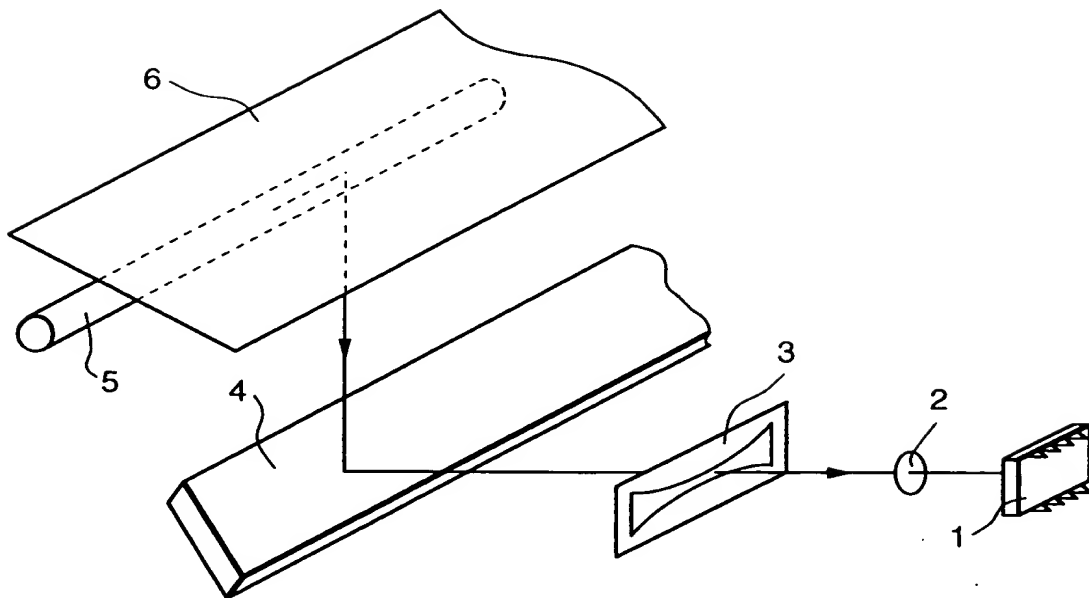


FIG. 20



**FIG. 21**  
(PRIOR ART)



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FIG. 22A

0	WHITE REFERENCE DATA OBTAINING COUNT
1	TEMPERATURE IN OBTAINING FIRST REFERENCE DATA
2	TEMPERATURE IN OBTAINING SECOND REFERENCE DATA
3	TEMPERATURE IN OBTAINING THIRD REFERENCE DATA
4	TEMPERATURE IN OBTAINING FOURTH REFERENCE DATA
5	TEMPERATURE IN OBTAINING FIFTH REFERENCE DATA
6	SUPPLEMENTARY AREA
...	
15	

FIG. 22B

FIRST WHITE REFERENCE DATA			
TIME STAMP			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 256 $\mu$ s			
WHITE REFERENCE DATA FOR RED			
WHITE DATA 1		...	WHITE DATA 128
BLACK DATA 1		...	BLACK DATA 128
GAIN	SUPPLEMENTARY	ID	TEMPERATURE
WHITE REFERENCE DATA FOR GREEN			
WHITE REFERENCE DATA FOR BLUE			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 320 $\mu$ s			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 307 $\mu$ s			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 288 $\mu$ s			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 307 $\mu$ s			
SECOND WHITE REFERENCE DATA			
THIRD WHITE REFERENCE DATA			
FOURTH WHITE REFERENCE DATA			
FIFTH WHITE REFERENCE DATA			

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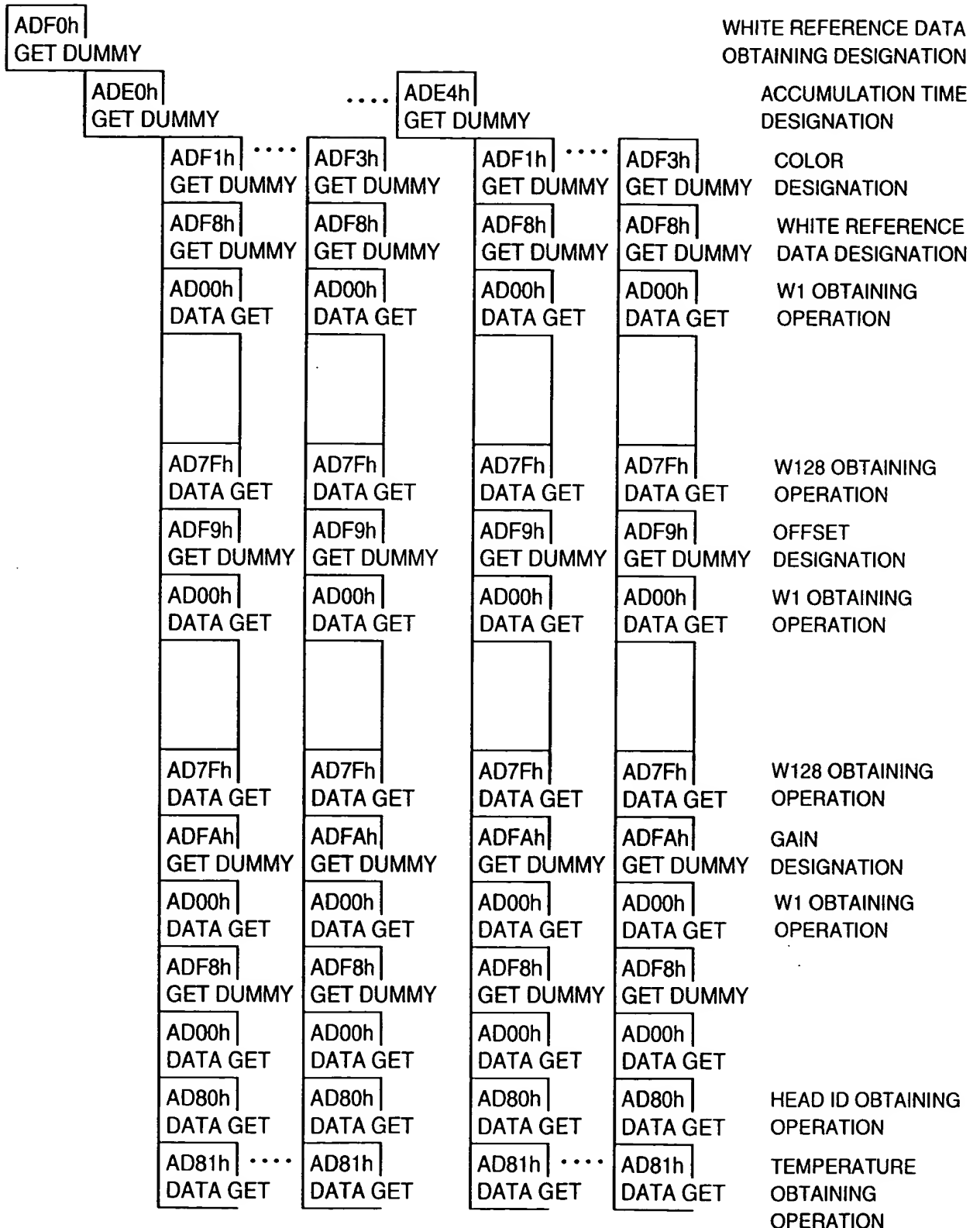
## FIG. 23

COMMAND PARAMETER	COMMAND CONTENTS
1000H	PORT INITIALIZATION
3000H ~	LEFT OFFSET VALUE DESIGNATION
4000H	PRINT IMAGE TRANSFER
8000H ~	SCANNER READING COMMAND
9000H ~	FEED
9FF0H	DELIVERY
9FF1H	PAPER FEED
A700H	OPERATION FOR OBTAINING CURRENT HEAD TEMPERATURE AND TEMPERATURE IN APPARATUS
A801H	OPERATION FOR OBTAINING MOUNTED HEAD INFORMATION
A809H	OPERATION FOR OBTAINING MOUNTED HEAD ID
AD00H ~ AD7FH	OPERATION FOR OBTAINING WHITE REFERENCE DATA FOR EACH DOT
AD80H	OPERATION FOR OBTAINING HEAD ID IN OBTAINING WHITE REFERENCE DATA
AD81H	OPERATION FOR OBTAINING TEMPERATURE IN OBTAINING WHITE REFERENCE DATA
ADE0H ~ ADE4H	ACCUMULATION TIME DESIGNATION
ADF0H	WHITE REFERENCE DATA OBTAINING DESIGNATION
ADF1H ~ ADF3H	R, G, AND B DESIGNATION
ADF8H	WHITE REFERENCE DATA DESIGNATION
ADF9H	OFFSET DESIGNATION
ADFAH	GAIN DESIGNATION
ADFBH	SUPPLEMENTARY
BD00H ~ BD7FH	WHITE REFERENCE DATA SETTING FOR EACH DOT
BD80H	HEAD ID SETTING
BD81H	TEMPERATURE SETTING
BDE0H ~ BDE4H	ACCUMULATION TIME SETTING
BDF0H	MONOCHROME DESIGNATION
BDF1H ~ BDF3H	R, G, AND B DESIGNATION
BDF8H	WHITE REFERENCE DATA DESIGNATION
BDF9H	OFFSET DESIGNATION
BDFAH	GAIN DESIGNATION
BDFBH	SUPPLEMENTARY
D000H	START OF HEAD EXCHANGE
D100H	END OF HEAD EXCHANGE

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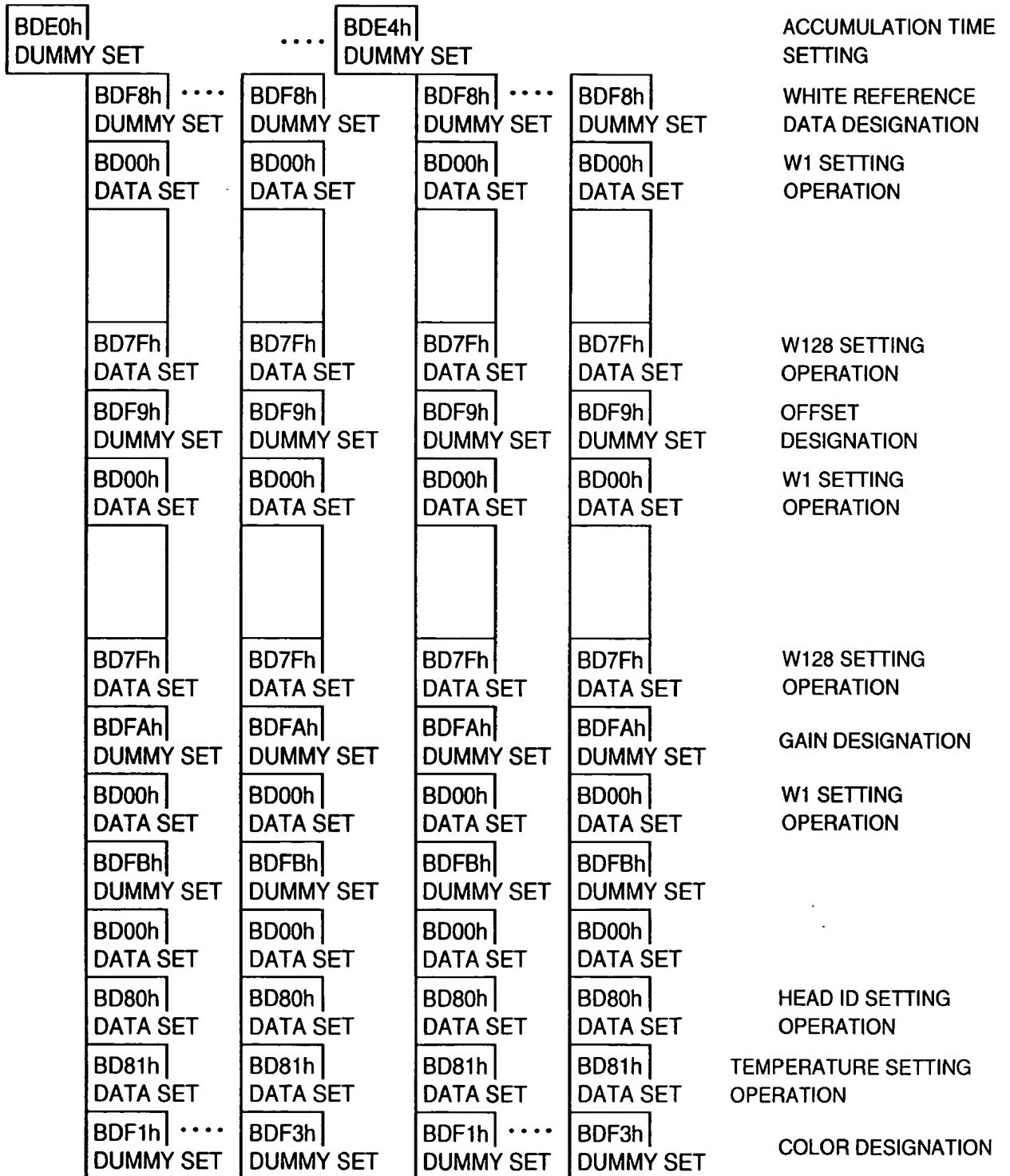


FIG. 24



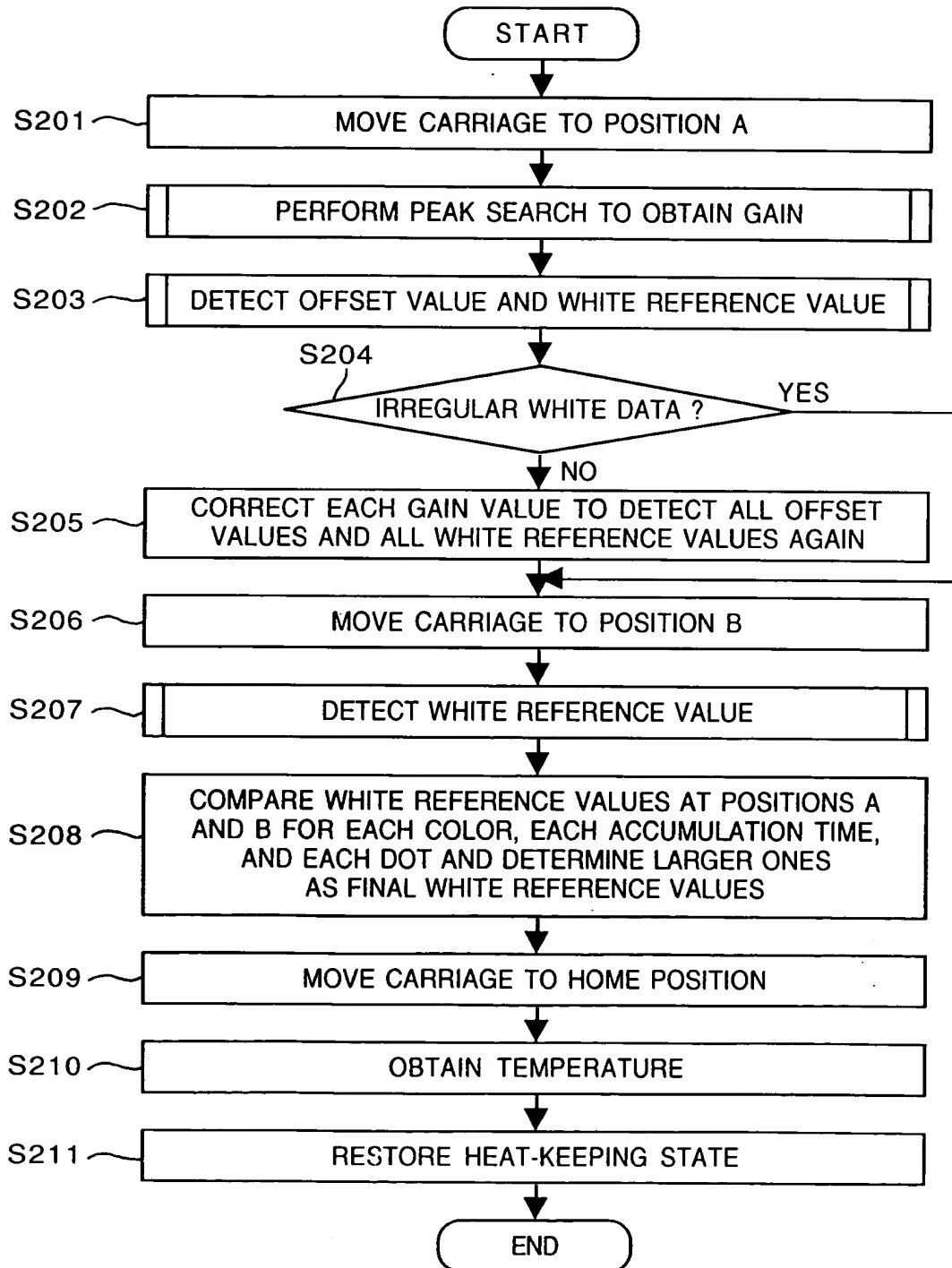
09751826 "122900

FIG. 25



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## FIG. 26



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FIG. 27

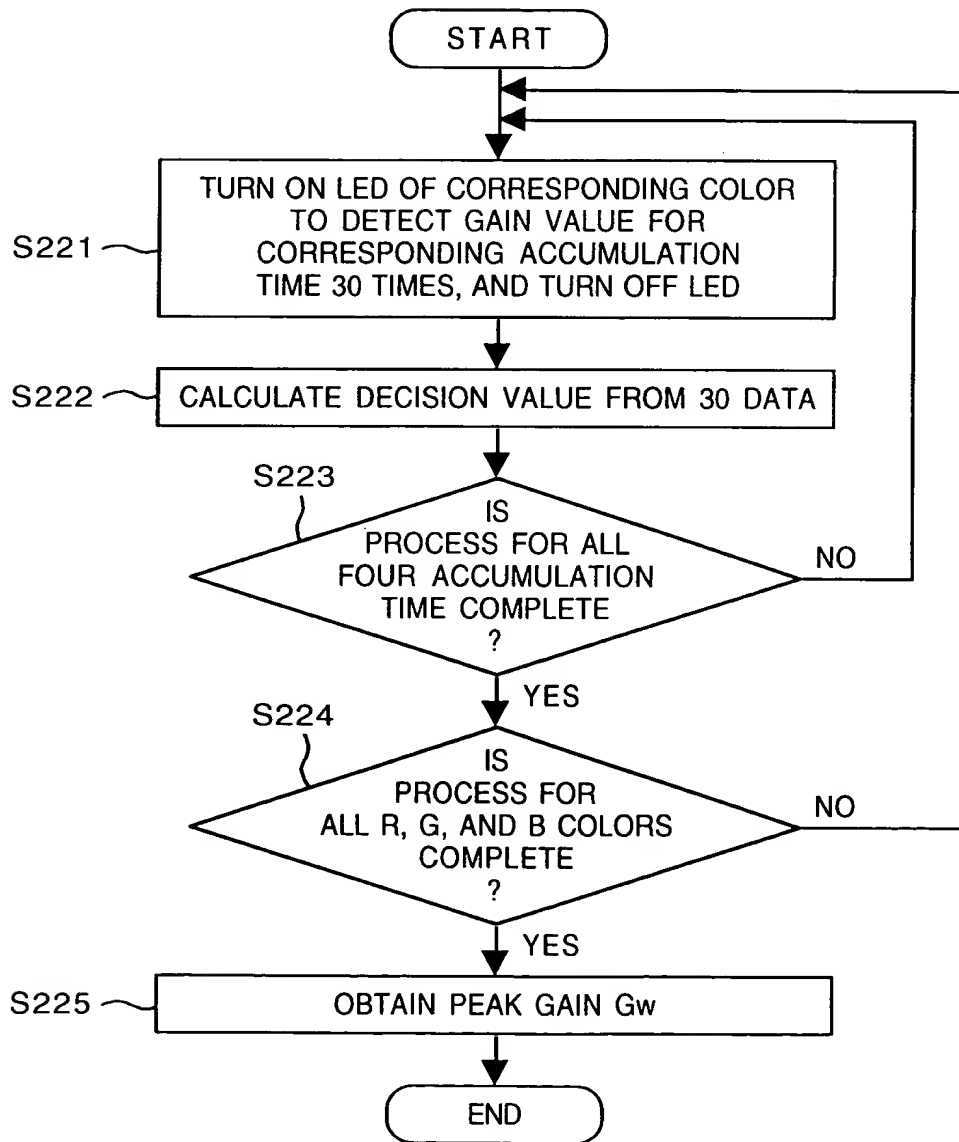
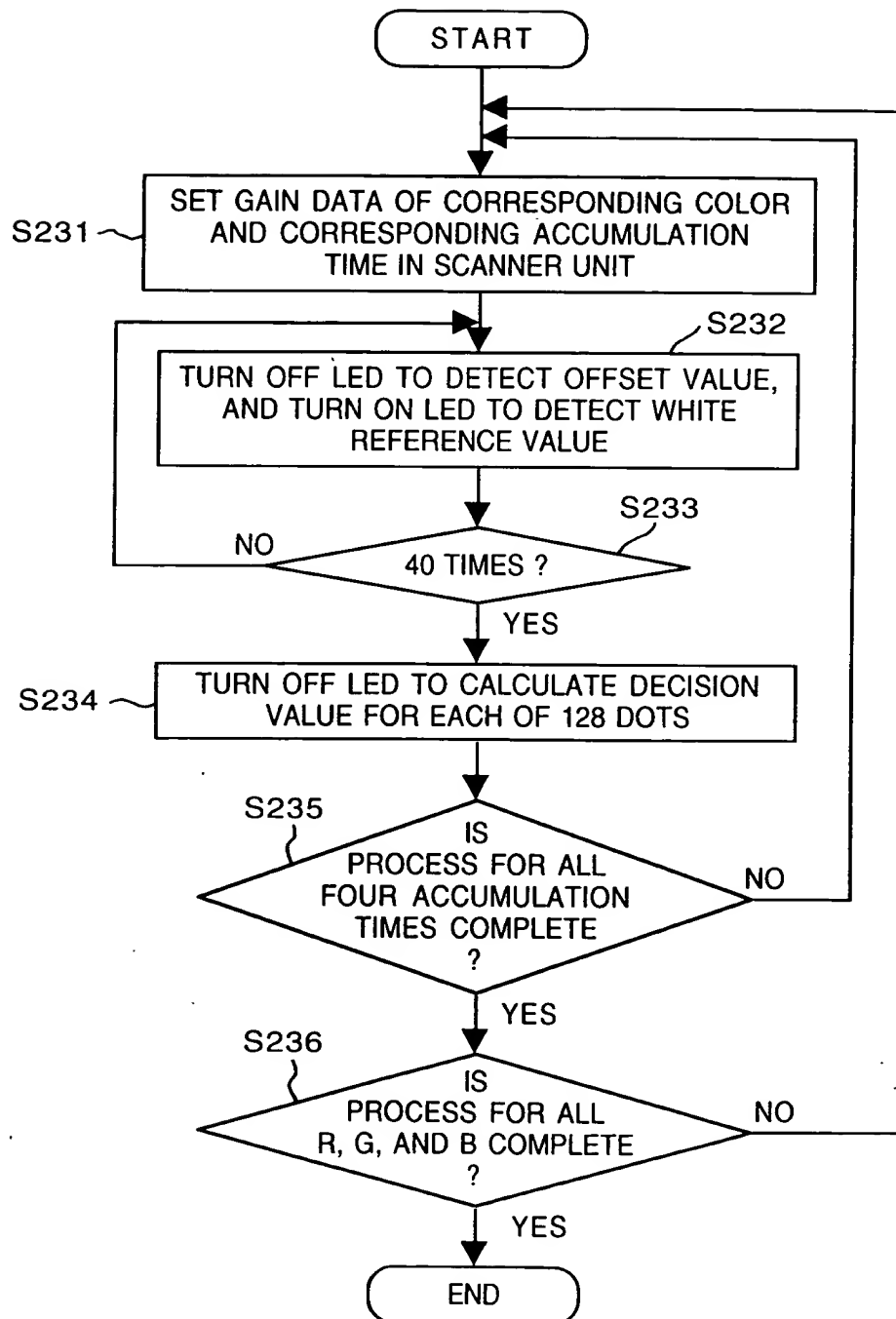
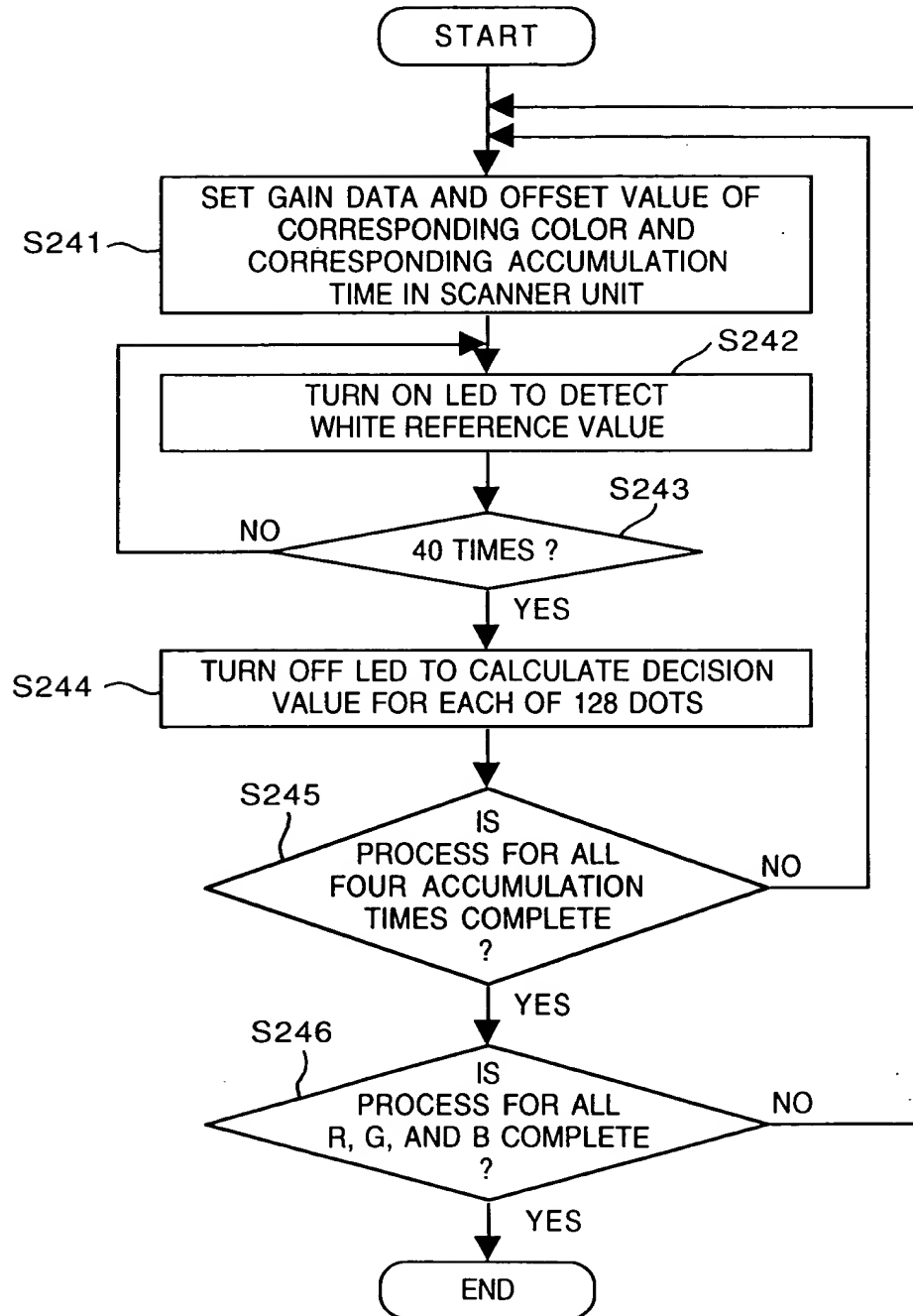


FIG. 28



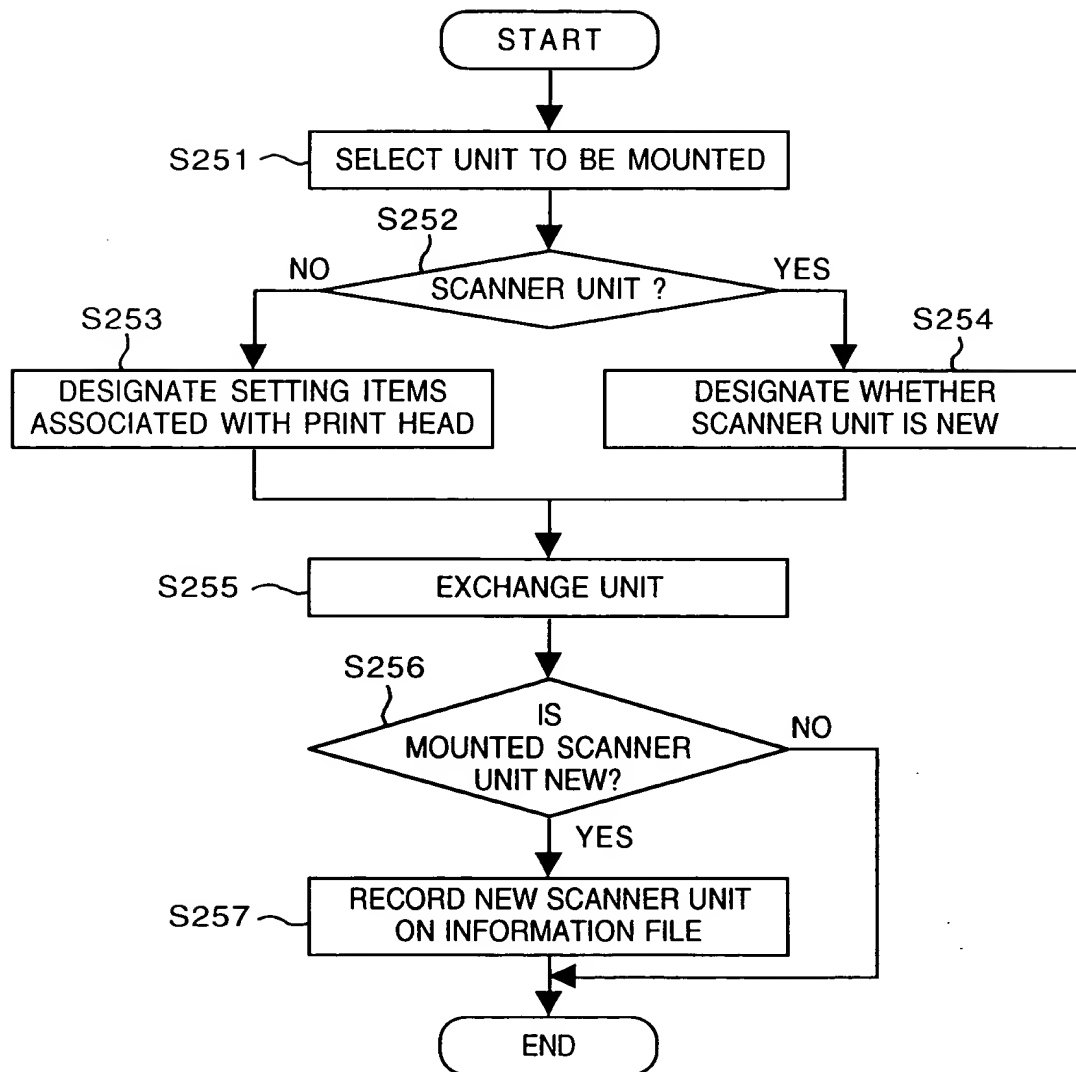
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FIG. 29



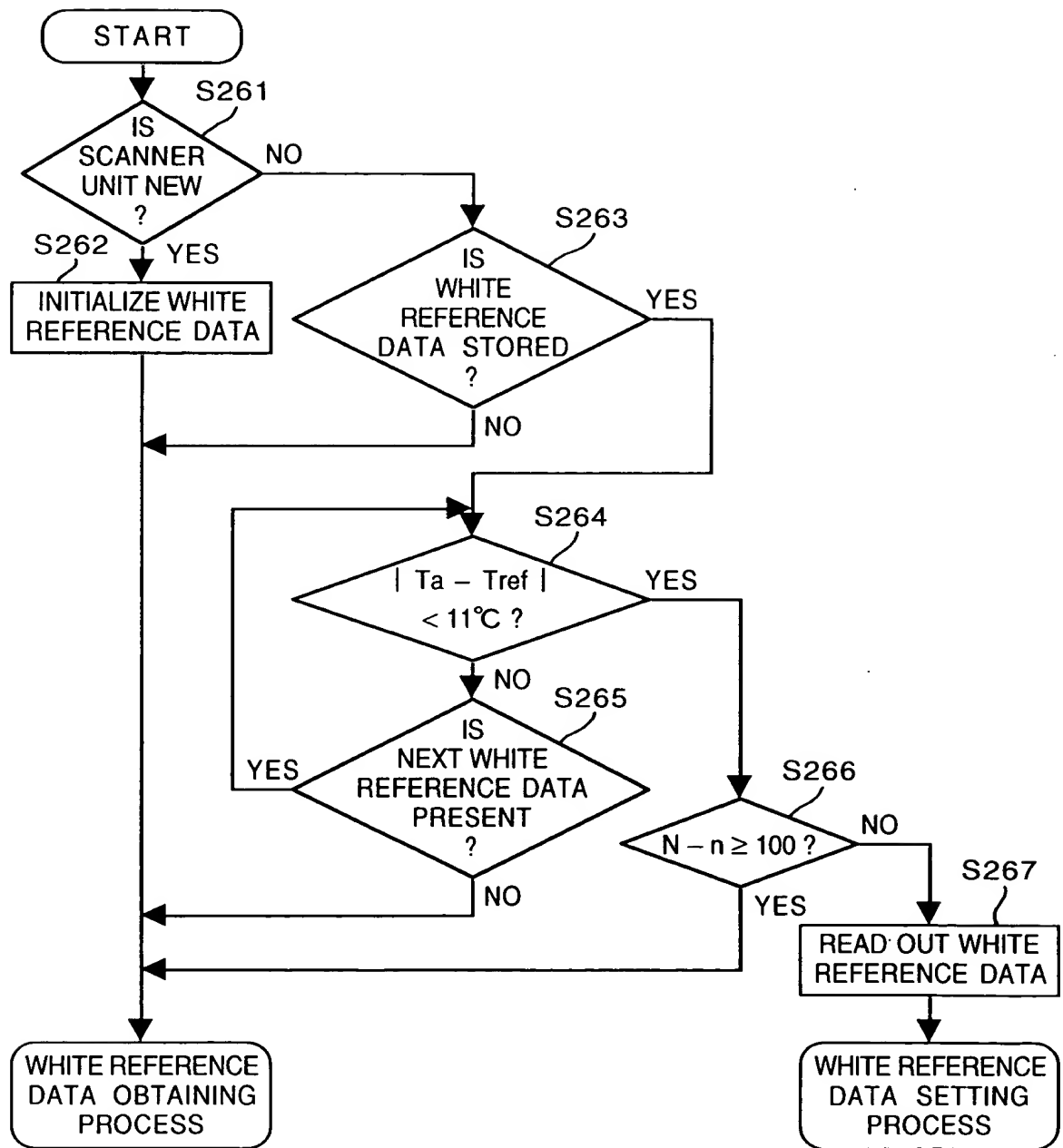
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FIG. 30



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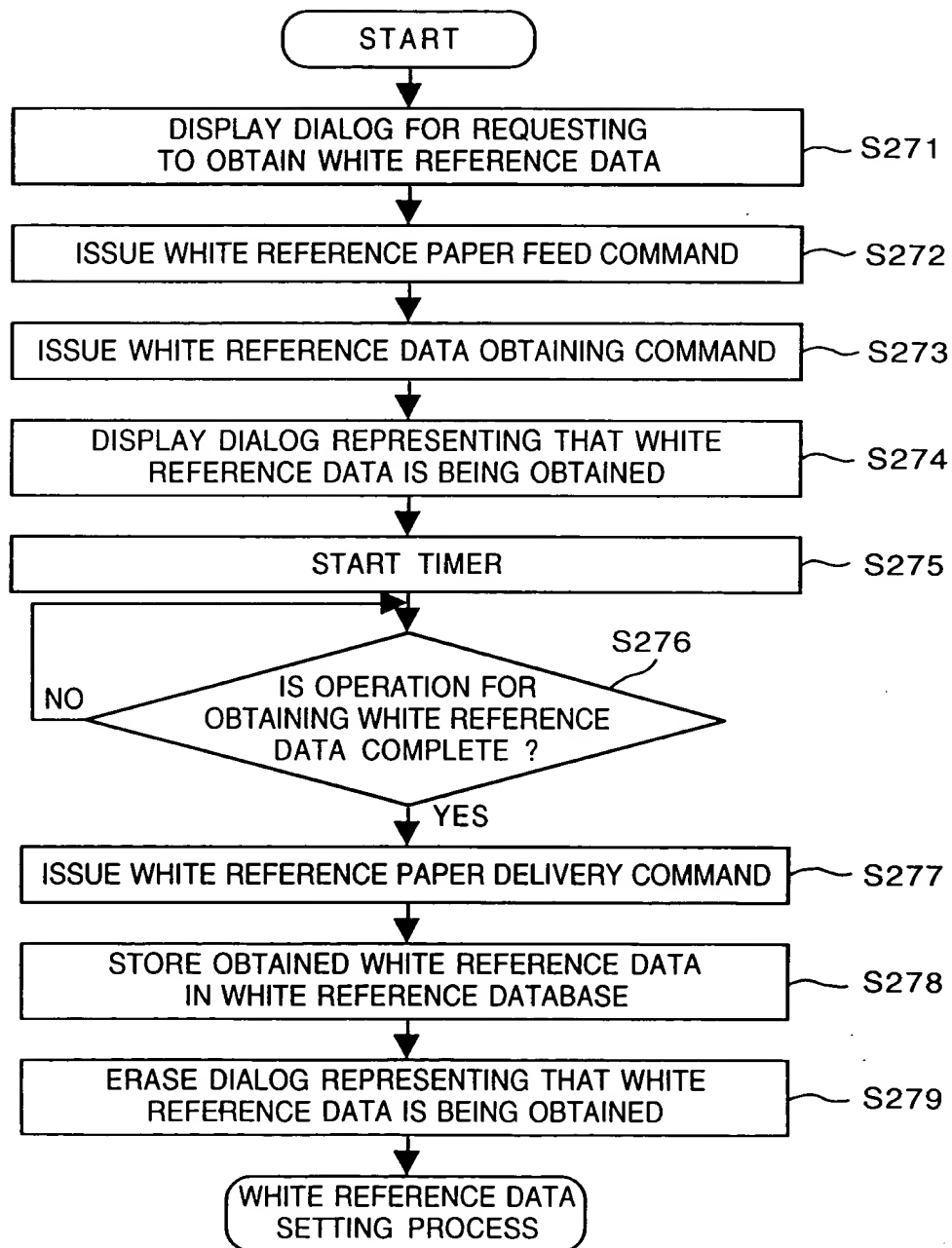
FIG. 31



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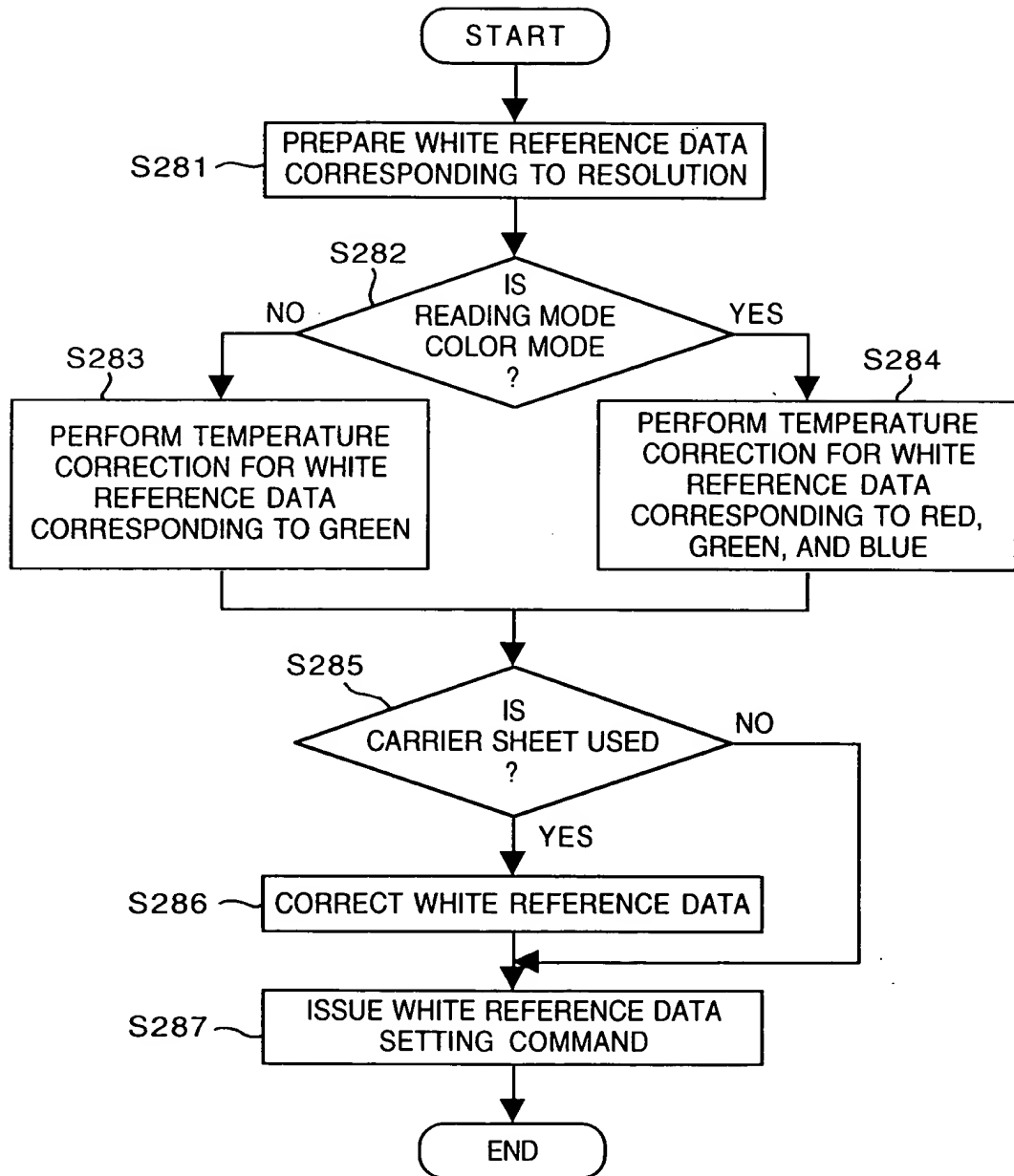


## FIG. 32



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FIG. 33



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